

Abstract

An electrically operated programmable resistance memory element using a conductive sidewall spacer or a conductive sidewall liner as an electrical contact. The conductive sidewall spacer or conductive liner has a resistive top edge adjacent to the memory material.

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1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a continuous function and that it satisfies the functional equation $f(x+y) = f(x) + f(y)$.